PROJECT	**TRIANGLE COMPUTATION (FOR CALCULATING MACHINE)** For use of this form, see FM 3-34.331; the proponent agency is TRADOC.

LOCATION	ORGANIZATION	DATE *(YYYYMMDD)*

SYMBOL	STATION	OBSERVED ANGLE	CORR'N	SPHER'L ANGLE	SPHER'L EXCESS	PLANE ANGLE	SINE	DISTANCE		SIDE
	1								2-3	
	2								1-3	
	3								1-2	
								D=Ratio, side/sine		
	1								2-3	
	2								1-3	
	3								1-2	
								D=Ratio, side/sine		
	1								2-3	
	2								1-3	
	3								1-2	
								D=Ratio, side/sine		
	1								2-3	
	2								1-3	
	3								1-2	
								D=Ratio, side/sine		

Case I a/sin A=b/sin B=c/sin C Given : 3 angles, 1 side	Case III tan A = a sin B/c-a cos B Given : 2 sides and included angle	COMPUTED BY	DATE *(YYYYMMDD)*
Case II sin B=b sin A/a Given : 2 sides and an angle opposite	Case IV cos A=[2s(s-a)/bc]-1 s=1/2(a+b+c) Given : 3 sides	CHECKED BY	DATE *(YYYYMMDD)*